

PC-3226 Urethane Casting System

Blue, Pool/Spa filter with Shore A 70 hardness

PC-3226 is a two component, unfilled, medium durometer casting system that produces a flexible elastomer possessing excellent toughness, high elongation, high tensile and high tear strength. The system offers a combination of low viscosity and rapid gelation at room temperature for high productivity. Recommended use would be end-caps for the air and water filtration markets.

Key Features

- Low mixed viscosity
- High elongation, tensile, and tear strengths
- Fast gel with ample flow/working time
- Very good chemical resistance
- Great chlorine resistance
- Very good hydrolytic stability

Typical Uncured Properties

Color	
Resin	Blue
Hardener	Clear, Slight Yellow
Mixed	Blue
Viscosity, cPs @ 77°F ± 2°F	
Resin (Spindle #3 @ 20RPM)	1500
Hardener (Spindle #2 @ 20RPM)	1000
Mixed	1300
Density, Lbs/Gal (Specific Gravity) @ 77°F ± 2°F	
Resin	8.55 (1.02)
Hardener	9.90 (1.19)
Mixed	8.94 (1.07)

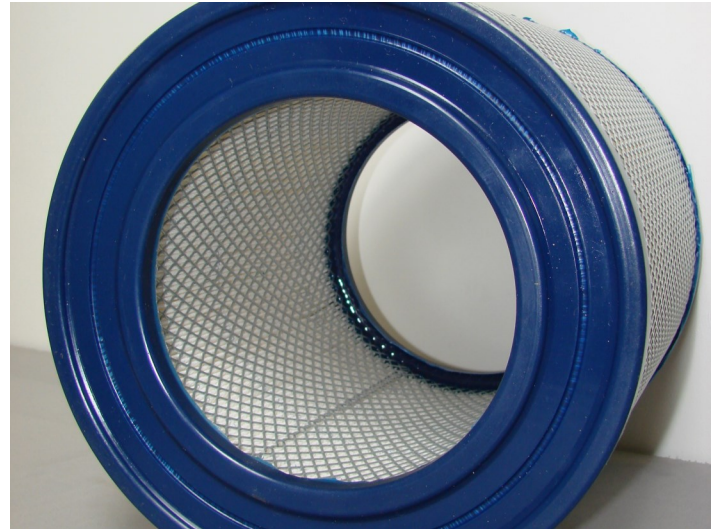
Mixing Specifications & Characteristics

Mix Ratio:	
By Weight	100 parts Resin to 41 parts Hardener
By Volume	2.8 parts Resin to 1 part Hardener
Gel Time, min:sec @ 77°F ± 2°F	
100 Gram Mass	2:00 - 2:30
Turn-Over Time (@ 180°F)	≤ 5:00
Cure Cycle (Full Cycle)	7 Days

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Typical Cured Properties

Color	Blue
Hardness (Shore A)	65 - 70
Tensile Strength, psi	1430
Elongation, Percent (%)	416
Tear Strength (Die C), Lbs./in.	185
Max. Operating Temperature (°F)	175

Processing Instructions

For good results, automatic mixing and dispensing equipment should be used. Please consult with Polyset technical staff before making final processing decisions.

Storage

Keep away from flames. Material should be used once container is opened. Long term storage of opened material should be under nitrogen. Shelf life of both Resin and Hardener is 6 months @ 25°C (77°F) in unopened containers. Hardener must be shipped at 40°F minimum to avoid possible crystallization. If crystallized, the Hardener must be heated to 120–140°F with agitation until clear.

Safety Information

Avoid direct contact. Use gloves when handling Resin and Hardener, if skin contact occurs, wash with soap and water. If Resin or Hardener enters the eyes, flush with cool water for at least 15 minutes and call a physician immediately. Refer to the PC-3226 Safety Data Sheets for further details.